

Fig.1

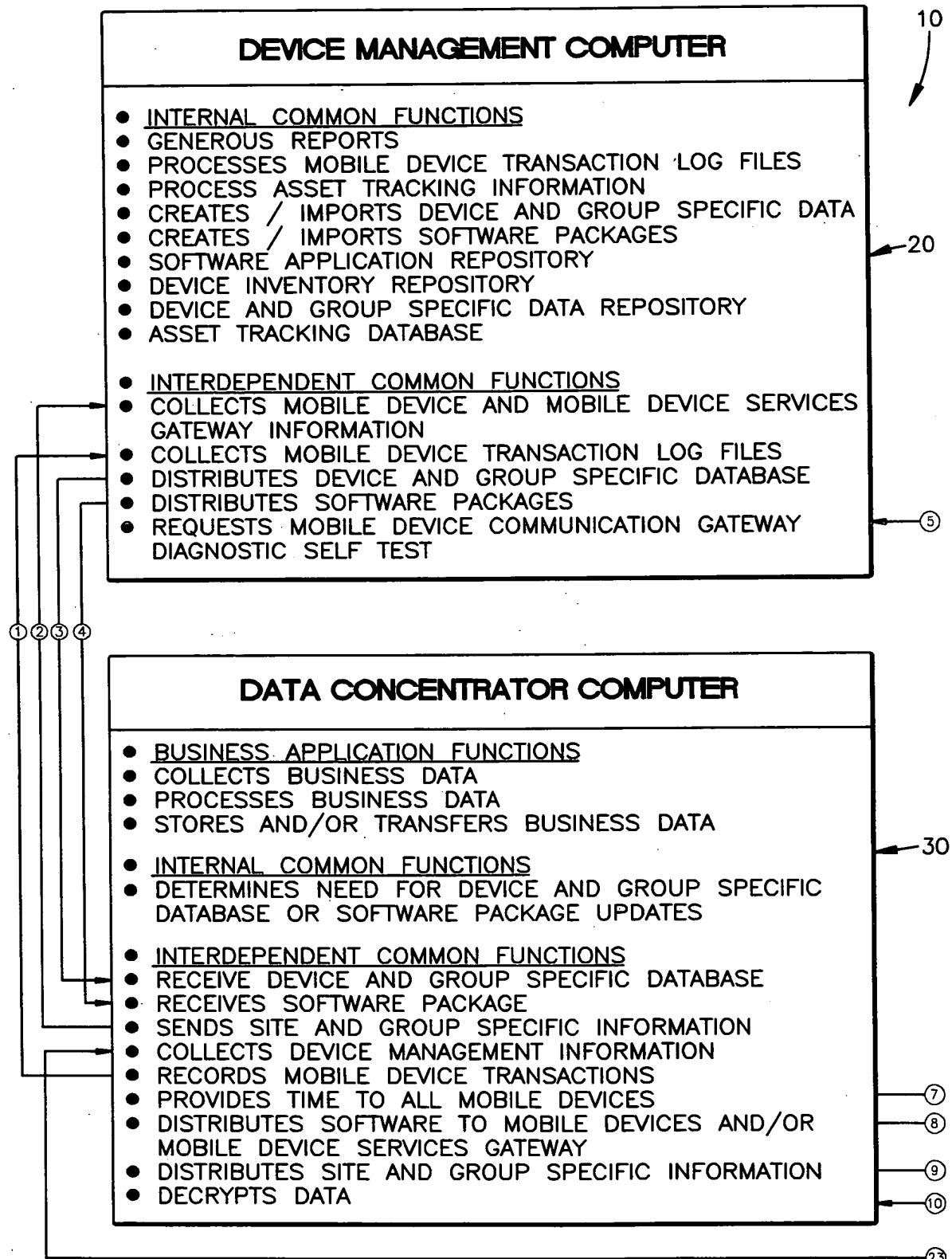


Fig.2A

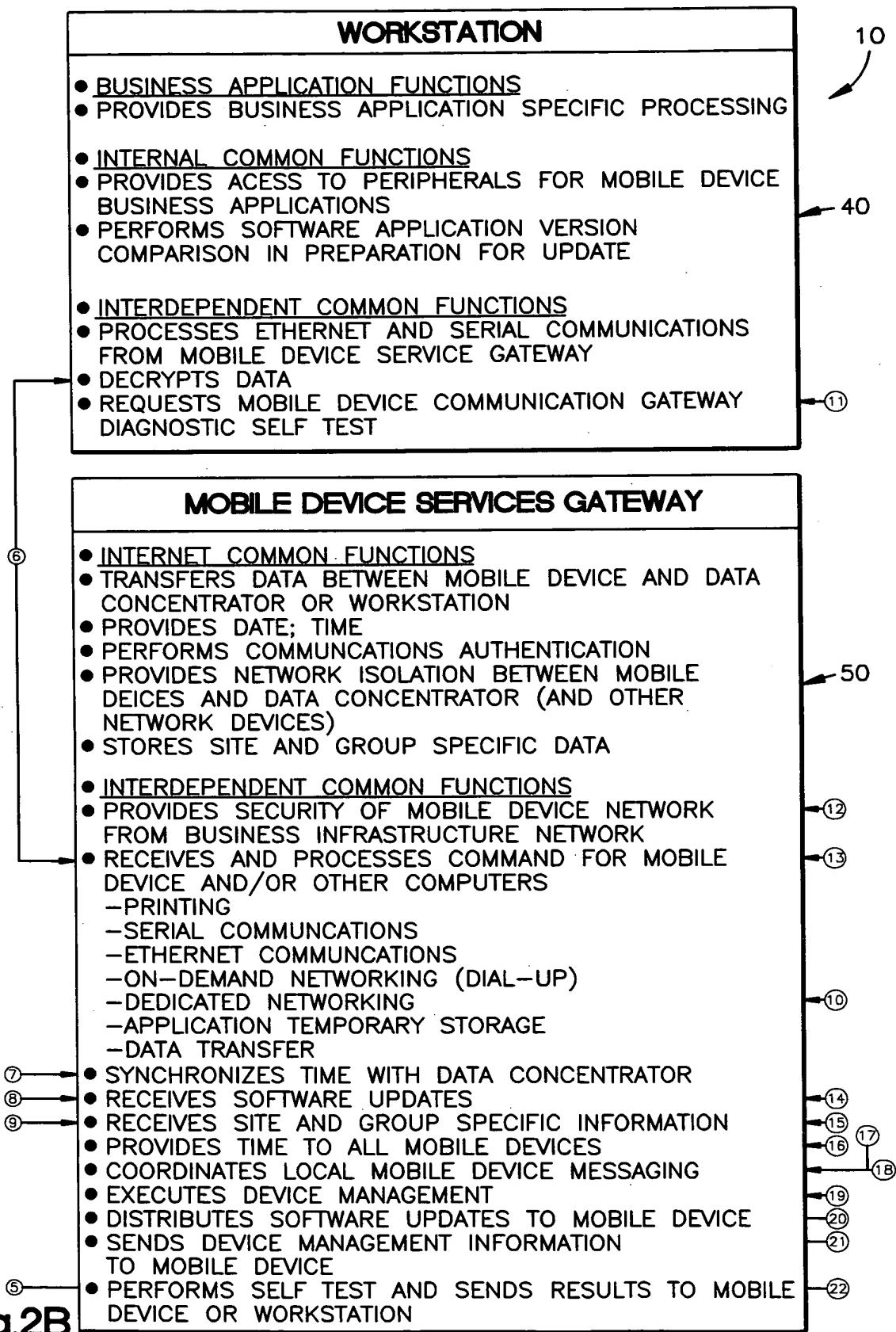


Fig.2B

MOBILE DEVICE

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- BUSINESS APPLICATION FUNCTIONS
 - COLLECTS BUSINESS DATA VIA HUMAN INPUT OR AUTOMATED INPUT
 - PROCESSES BUSINESS DATA

- INTERNAL COMMON FUNCTIONS
 - AUTOMATED DATA INPUT
 - DISPLAYS DATA
 - STORES DATA IN NON-VOLATILE DATA STORAGE
 - PROVIDES DATE / TIME
 - COMMUNICATES WITH LOCALLY ATTACHED PERIPHERALS
 - PROVIDES MOBILE DEVICE COMMON SERVICES TO ENABLE MULTIPLE MOBILE SOFTWARE APPLICATIONS
 - POWER MANAGEMENT
 - PERFORMS DIAGNOSTIC SELF TEST
 - DETERMINES NEED FOR SOFTWARE UPDATES OR DEVICE AND GROUP SPECIFIC DATA CHANGES
 - PERFORMS DEVICE MANAGEMENT
 - STORES SITE AND GROUP SPECIFIC DATA
 - DECRYPTS DATA FOR LOCAL VIEWING / DEBUG
 - CREATES INTEGRATED COMMUNICATION DATA MESSAGE

- INTERDEPENDENT COMMON FUNCTIONS
 - ENCRYPTS DATA FOR STORAGE AND DATA TRANSMISSION
 - PROVIDES SECURE COMMUNICATIONS TO MOBILE DEVICE GATEWAY
 - REQUESTS SERVICES FROM MOBILE DEVICE SERVICES GATEWAY
 - PRINTING
 - SERIAL COMMUNICATIONS
 - ETHERNET COMMUNICATIONS
 - ON DEMAND NETWORKING (DIAL-UP)
 - DEDICATED NETWORKING
 - APPLICATION TEMPORARY STORAGE
 - DATA TRANSFER
 - SENDS SOFTWARE UPDATES TO MOBILE DEVICE SERVICES GATEWAY
 - SENDS SITE AND GROUP SPECIFIC DATA TO MOBILE DEVICE SERVICES GATEWAY
 - SYNCHRONIZES TIME
 - INITIATES LOCAL MESSAGING
 - RESPONDS TO LOCAL MESSAGES
 - REQUESTS DEVICE MANAGEMENT INFORMATION
 - RECEIVES SOFTWARE UPDATES
 - COLLECTS DEVICE INFORMATION FROM MOBILE DEVICE SERVICES GATEWAY
 - REQUESTS MOBILE DEVICE COMMUNICATION GATEWAY DIAGNOSTIC SELF TEST
 - SENDS DEVICE MANAGEMENT INFORMATION

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Fig.2C